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86		2000-300511	2000-300511 10/31/2000				-	YES	NO	
				Japan	-				 	
BG		H6-22904	2/1/1994	Japan				1		
86		9-10172	1/14/1997	Japan	 -			1		
Els		S63-59329	11/18/1988	Japan				1		
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		DEMARK SECTI	U.S.	PATENT	DOCUMENTS				
*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME		CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
EG		2001/0027268 A1	10/4/2001	Kato				•	
86		4,941,454	7/17/1990	Wood et al.			,		
53		4,286,585	9/1/1981	Ogawa					
EG		2002/0165432 A1	11/7/2002	Matsui					
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